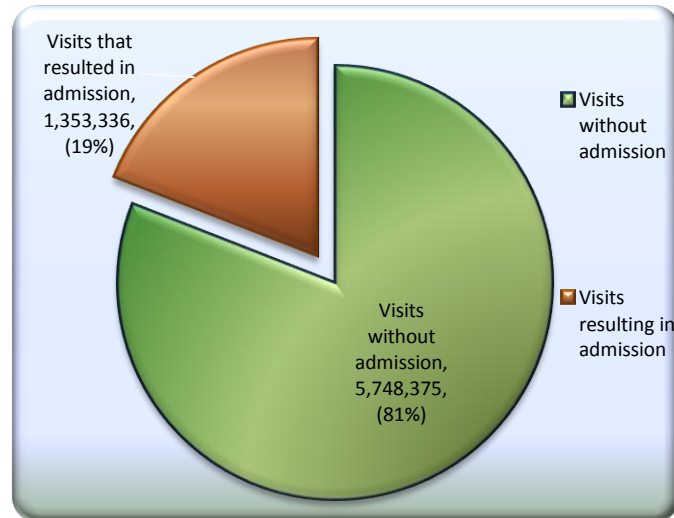


## EMERGENCY DEPARTMENT SUMMARY, 2005

In 2005, the Florida Center for Health Information and Policy Analysis (FCHIPA) within the Agency for Health Care Administration (AHCA) began the collection of Emergency Department (ED) data for the State of Florida. In this year, there were 5,748,375 visits to the Emergency Departments that did not result in admission to the hospital. In addition, there were 1,353,336 ED patient visits that resulted in an inpatient admission for a total of 7,101,711 visits to Florida emergency departments (*Figure 1*).

**Figure 1**  
**Number of Visits Attended at the Emergency Department, 2005 by Category**



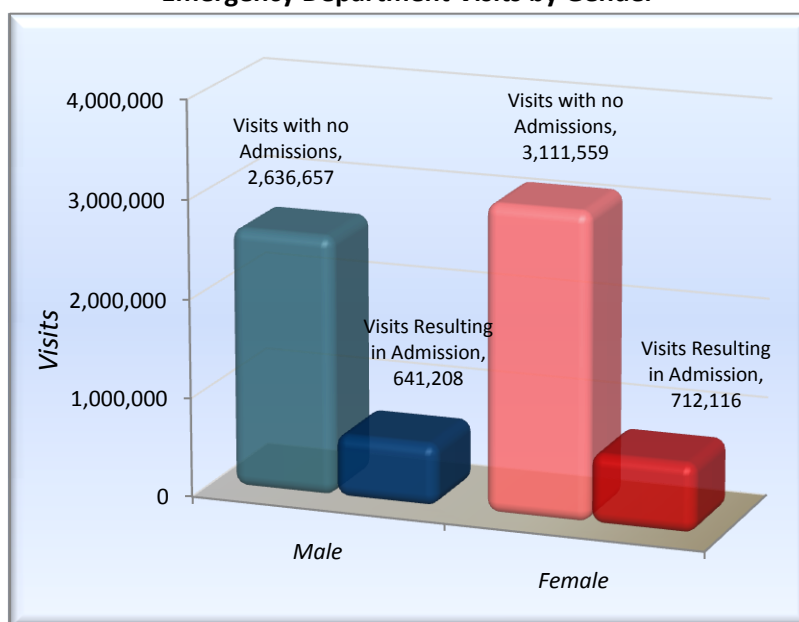
Women had the highest percentage of visits without admission to the hospital, at 54.1% (3,111,559); however, men ED utilization was at an earlier age than women. Overall, the total average age of the ED population was 34 years old. Women also accounted for the highest percentage of visits that resulted in an inpatient admission (52.6%). (*Table 1 and Figure 2*)

**Table 1**  
**Visits to the Emergency Department by Gender, 2005**

<b>Gender</b>	<b>Visits without Admission</b>			<b>Visits that Resulted in an Inpatient Admission</b>			<b>Total Visits</b>	
	<i>Visits</i>	<i>Percent</i>	<i>Average Age</i>	<i>Visits</i>	<i>Percent</i>	<i>Average Age</i>	<i>Visits</i>	<i>Percent</i>
Male	2,636,657	45.9%	33	641,208	47.4%	57	3,277,865	46.2%
Female	3,111,559	54.1%	35	712,116	52.6%	61	3,823,675	53.8%
Total	5,748,375	100.0%	34	1,353,336	100.0%	59	7,101,711	100.0%

Note: Numbers may not add to total due to unclassified records.

**Figure 2**  
**Emergency Department Visits by Gender**



Note: Numbers may not add to total due to unclassified records.

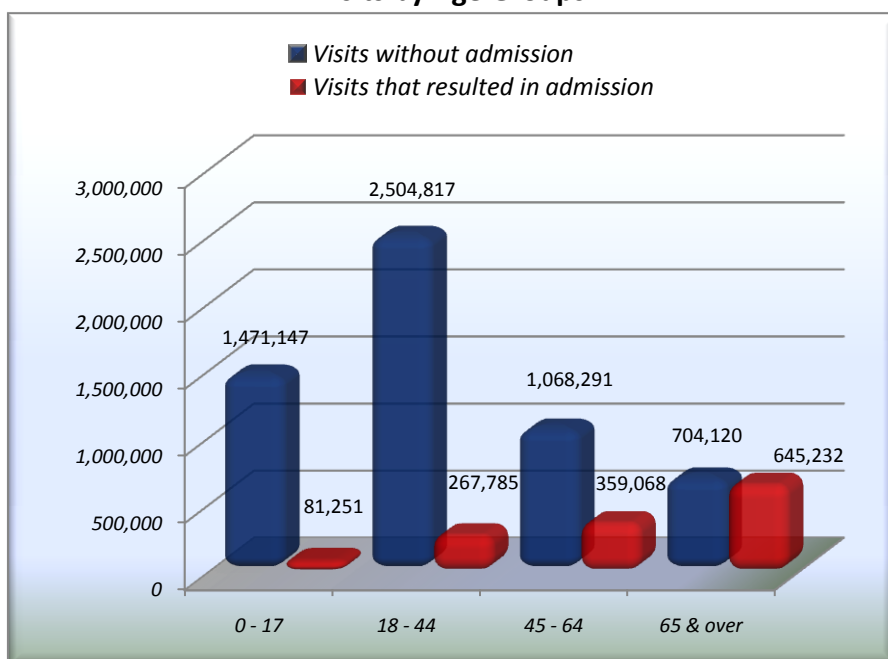
The largest number of Emergency Department visits in 2005 that did not result in admission to the hospital, was among those 18 – 44 years, at 43.6% of the total visits. However, for those visits that resulted in an admission to the hospital, the largest number was among those 65 and older, at 47.7%. (Table 2 and Figure 3)

**Table 2**  
**Visits to the Emergency Department by Age Group, 2005**

Age Group	Visits without Admission to the Hospital		Visits that Resulted in an Inpatient Admission		Total Visits
	Visits	Percent (%)	Visits	Percent (%)	
0 - 17	1,471,147	25.6%	81,251	6.0%	1,552,398
18 - 44	2,504,817	43.6%	267,785	19.8%	2,772,602
45 - 64	1,068,291	18.6%	359,068	26.5%	1,427,359
65 & over	704,120	12.2%	645,232	47.7%	1,349,352
Total	5,748,375	100.0%	1,353,336	100.0%	7,101,711

Note: Numbers may not add to total due to unclassified records.

**Figure 3**  
**Visits by Age Groups**



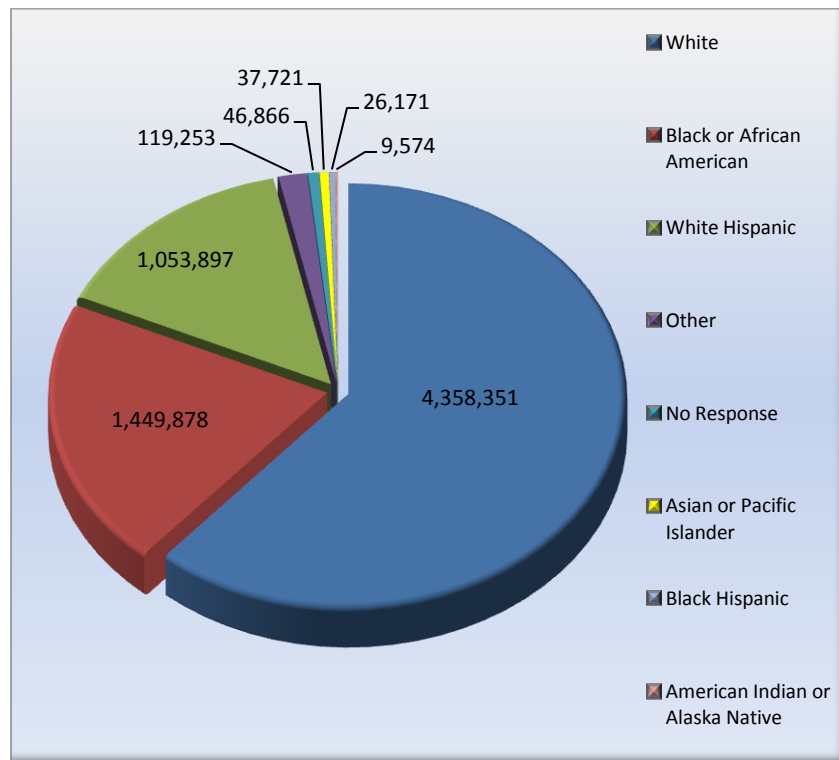
*White* patients accounted for the highest percentage of Emergency Department visits without admission to the hospital, at 60.2% (3,463,131) in 2005. For those visits that resulted in an inpatient admission, *White* patients also accounted for the highest number, at 66.1%. (Table 3 and Figure 4)

**Table 3**  
**Emergency Department Visits by Race/Ethnicity, 2005**

Race	Visits without Admission to the Hospital			Visits that Resulted in an Inpatient Admission			Total Visits
	Visits	Percent (%)	Average Age	Visits	Percent (%)	Average Age	
White	3,463,131	60.2%	38	895,220	66.1%	63	4,358,351
Black or African American	1,229,097	21.4%	29	220,781	16.3%	49	1,449,878
White Hispanic	857,665	14.9%	27	196,232	14.5%	54	1,053,897
Other	101,381	1.8%	27	17,872	1.3%	50	119,253
No Response	40,401	0.7%	31	6,465	0.5%	56	46,866
Asian or Pacific Islander	31,478	0.5%	32	6,243	0.5%	53	37,721
Black Hispanic	17,410	0.3%	27	8,761	0.6%	63	26,171
American Indian or Alaska Native	7,812	0.1%	27	1,762	0.1%	49	9,574
Total	5,748,375	100.0%	34	1,353,336	100.0%	59	7,101,711

Note: Numbers may not add to total due to unclassified records.

**Figure 4**  
**Total Visits Received at the Emergency Department by Race/Ethnicity, 2005**



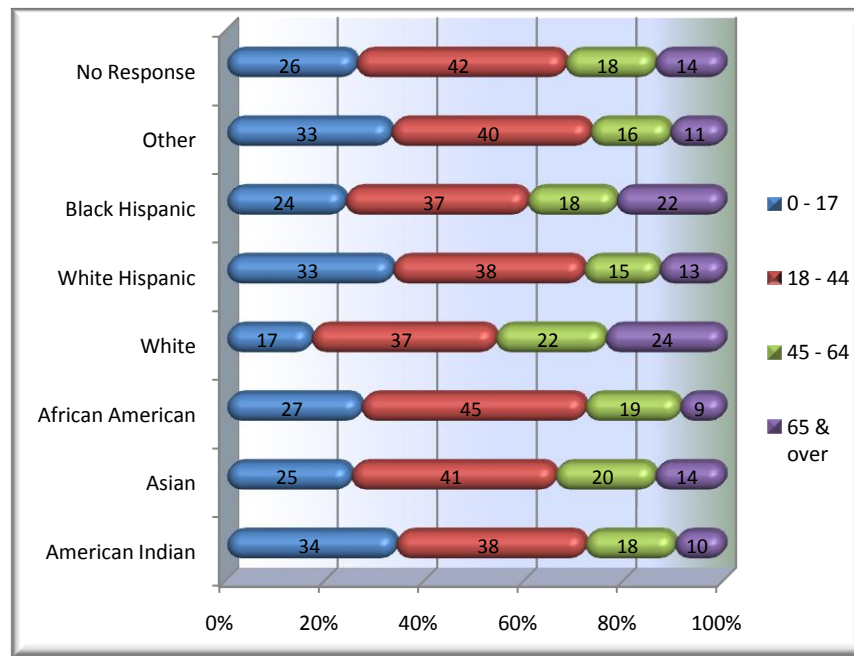
The highest numbers of visits was among *White* patients' ages 18 – 44 (1,619,112) and the age group 65 and over (1,052,374). (Table 3.1 and Figure 4.1)

**Table 3.1**  
**Emergency Department Visits by Age Group and Race/Ethnicity, 2005**

Age Group	Race							Total Visits
	American Indian or Alaska Native	Asian or Pacific Islander	Black or African America	White	White Hispanic	Black Hispanic	Other	
0 - 17	3,211	9,436	391,151	737,533	353,052	6,169	39,755	1,552,398
18 – 44	3,682	15,347	658,648	1,619,112	398,996	9,559	47,507	2,772,602
45 – 64	1,727	7,709	275,688	949,332	160,592	4,632	19,227	1,427,359
65 & over	954	5,229	124,391	1,052,374	141,257	5,811	12,764	1,349,352
Total	9,574	37,721	1,449,878	4,358,351	1,053,897	26,171	119,253	7,101,711

Note: Numbers may not add to total due to unclassified records.

**Figure 4.1**  
**Distribution of all Emergency Department Visits by Age Group and Race/Ethnicity, 2005**



Note: Numbers may not add to total due to unclassified records.

The total charges for services provided at the Emergency Department that did not result in an inpatient hospitalization in 2005, was over 9.5 billion dollars. Commercial Insurance accounted for the largest amount of the total charges. The age group 18 – 44 had the highest charges overall. Self pay and charity accounted for the highest number of visits and second largest amount of total charges. (Table 4)

**Table 4**  
**Emergency Department Discharges by Principal Payer, 2005**

Payer	0 - 17		18 – 44		45 - 64		65 & over		TOTAL	
	Visits	Total Charges	Visits	Total Charges	Visits	Total Charges	Visits	Total Charges	Visits	Total Charges
Commercial Insurance	472,780	\$516,410,269.00	845,914	\$1,627,272,651.00	482,809	\$1,090,769,419.00	57,205	\$133,570,287.00	1,858,708	\$3,368,022,626
Self Pay & Charity	221,032	\$198,467,685.00	996,277	\$1,547,477,457.00	267,893	\$509,445,166.00	17,129	\$38,920,686.00	1,502,331	\$2,294,310,994
Medicare	4,111	\$3,533,886.00	79,276	\$136,249,862.00	135,963	\$284,430,583.00	614,687	\$1,481,942,515.00	834,037	\$1,906,156,846
Medicaid	716,445	\$631,414,979.00	433,759	\$697,946,131.00	101,488	\$209,555,446.00	8,650	\$23,652,079.00	1,260,342	\$1,562,568,635
Workers' Compensation	2,230	\$1,990,921.00	91,822	\$102,517,386.00	41,842	\$53,307,236.00	3,251	\$4,752,962.00	139,145	\$162,568,505
CHAMPUS	23,319	\$22,829,356.00	29,182	\$48,045,087.00	17,189	\$38,302,443.00	651	\$1,189,873.00	70,341	\$110,366,759
Other State/Local Government	8,762	\$12,506,978.00	18,938	\$39,478,901.00	14,002	\$31,690,858.00	856	\$1,999,082.00	42,558	\$85,675,819
KidCare	21,215	\$22,004,896.00	2,285	\$3,234,218.00	327	\$448,059.00	20	\$36,953.00	23,847	\$25,724,126
Other	1,135	\$1,598,929.00	5,643	\$11,775,506.00	2,040	\$4,978,010.00	923	\$2,584,199.00	9,741	\$20,936,644
VA	117	\$163,573.00	1,720	\$3,576,829.00	4,737	\$12,080,586.00	748	\$2,162,831.00	7,322	\$17,983,819
<b>TOTAL</b>	<b>1,471,147</b>	<b>\$1,410,921,472</b>	<b>2,504,817</b>	<b>\$4,217,574,028</b>	<b>1,068,291</b>	<b>\$2,235,007,811</b>	<b>704,120</b>	<b>\$1,690,811,467</b>	<b>5,748,375</b>	<b>\$9,554,314,778</b>

Note: Numbers may not add to total due to unclassified records.

The total of ED visits that resulted in an inpatient admission were excluded.

Data extracted on: April 27, 2009

Table 4.1 summarizes the charges for medical examination and emergency treatment provided at the emergency department. The visits that resulted in an inpatient hospitalization in 2005, was over 1.5 billion dollars. Medicare patients (*group 65 & over*) accounted for the largest amount of the charges. The second largest amount of charges were by those patients under commercial insurance and ages 45 – 64. (*Table 4.1*)

**Table 4.1**  
**Patients admitted to Hospitals through the Emergency Department**  
**by Principal Payer and Emergency Department Charges, 2005**

Payer	0 - 17		18 - 44		45 - 64		65 & Over		TOTAL	
	Visits	Emergency Room Charges	Visits	Emergency Room Charges	Visits	Emergency Room Charges	Visits	Emergency Room Charges	Visits	Emergency Room Charges
Commercial Insurance	28,782	\$29,875,486.00	94,083	\$113,134,112.00	146,396	\$171,474,216.00	30,486	\$37,130,671.00	299,747	\$351,614,485.00
Self Pay and charity	5,225	\$5,260,529.00	68,404	\$83,810,776.00	57,447	\$68,797,763.00	4,715	\$5,586,662.00	135,791	\$163,455,730.00
Medicare	103	\$103,933.00	28,669	\$31,809,311.00	82,688	\$94,786,738.00	596,076	\$691,369,428.00	707,536	\$818,069,410.00
Medicaid	44,128	\$42,728,104.00	63,383	\$70,556,784.00	53,122	\$60,931,798.00	9,401	\$11,644,198.00	170,034	\$185,860,884.00
Workers' Compensation	41	\$47,598.00	3,217	\$4,659,748.00	2,606	\$3,335,244.00	426	\$556,177.00	6,290	\$8,598,767.00
CHAMPUS	923	\$784,283.00	2,267	\$2,485,615.00	5,079	\$5,418,949.00	307	\$325,341.00	8,576	\$9,014,188.00
Other State/Local Government	742	\$795,653.00	6,183	\$8,289,621.00	7,397	\$9,329,052.00	1,385	\$1,706,205.00	15,707	\$20,120,531.00
Kidcare	1,208	\$996,155.00	85	\$86,255.00	23	\$11,073.00	3	\$1,168.00	1,319	\$1,094,651.00
Other	99	\$119,627.00	1,104	\$1,467,781.00	969	\$1,262,017.00	1,195	\$1,361,755.00	3,367	\$4,211,180.00
VA	0	\$0.00	390	\$480,672.00	3,341	\$4,119,122.00	1,238	\$1,531,731.00	4,969	\$6,131,525.00
TOTAL	81,251	\$80,711,368.00	267,785	\$316,780,675.00	359,068	\$419,465,972.00	645,232	\$751,213,336.00	1,353,336	\$1,568,171,351.00

Note: Numbers may not add to total due to unclassified records.  
 Values represent only those charges for medical examinations and emergency treatment received at the emergency departments.

Table 5 displays the patient discharge status for 2005. Of the total discharges (7,101,711), 76.6% of the patients were released from the emergency department to home. However, 19% of the discharges resulted in an inpatient admission for further care.

**Table 5**  
**Emergency Department Discharges by Patient Discharge Status, 2005**

<i>Discharge Status</i>	<i>Number</i>	<i>Percent (%)</i>
Home	5,442,138	76.6%
Patient visits to the emergency department that resulted in inpatient admissions	1,353,336	19.1%
Left against medical advice	173,833	2.4%
Another type of institution	41,673	0.6%
Short-term general hospital	38,523	0.5%
Intermediate care facility	22,867	0.3%
Skilled nursing facility	16,273	0.2%
Expired	11,855	0.2%
Inpatient rehabilitation facility	642	0.0%
Hospice (Home / Medical facility)	571	0.0%
Total	7,101,711	100.0%

Note: Numbers may not add to total due to unclassified records.

Table 6 displays the top 10 reasons for patients utilizing the emergency departments in 2005 that did not result in a hospitalization. Among all the causes, *Fever*, at 4.4% was the number one reason why patients visited the ED. Cough accounted for the second reason at 3.6%, with 208,056 visits.

**Table 6**  
**Top 10 Reasons for Patients Visiting the Emergency Department**

<i>No.</i>	<i>Reason</i>	<i>Total visits</i>	<i>Percent of Total Visits</i>
1	Fever	252,904	4.4%
2	Cough	208,056	3.6%
3	Abdominal pain	184,291	3.2%
4	Chest pain	177,041	3.1%
5	Pain in limb	170,638	3.0%
6	Headache	163,003	2.8%
7	Abdominal pain, other specified site	125,680	2.2%
8	Lumbago <sup>1</sup>	107,200	1.9%
9	Injury of the knee, leg, ankle, and foot	102,752	1.8%
10	Backache <sup>2</sup> , unspecified	100,737	1.8%
	TOTAL	5,748,375	100.0%

Note: Numbers may not add to total due to unclassified records.  
 Lumbago<sup>1</sup>: Also known as Low back pain, low back syndrome, lumbalgia  
 Backache<sup>2</sup>: Also known as: Vertebrogenic (pain) syndrome unspecified

CPT Evaluation and Management Codes are used to classify acuity level. The grouping of ED visits by patient acuity level utilizes the five “CPT Evaluation and Management Codes” as assigned to describe the initial condition of the patient. The codes currently run from 99821 (indicating the lowest level of patient management) to 99285 (the highest level of patient management). These codes can be classified into two categories: “Low Acuity” group which corresponds to “non-urgent” visits and “High Acuity” group which corresponds to “urgent” or “emergent” visits. The totals are based on those visits that did not result in an inpatient hospitalization. (Table 7 and Figure 5)

**Table 7**  
**Visits to the Emergency Department by CPT Evaluation and Management Codes, 2005**

<i>CPT Code</i>	<i>The Presenting Problem(s) is/are:</i>	<i>Visits</i>	<i>Percent</i>
99282	Low to moderate severity	1,490,744	25.9%
99283	Moderate severity	1,345,832	23.4%
99281	Self limited or minor severity	768,381	13.4%
99284	High severity and requires urgent evaluation by the physician, but do not pose an immediate significant threat to life or physiologic function	602,636	10.5%
99285	High severity and pose an immediate significant threat to life or physiologic function	171,295	3.0%
<b>Total</b>		<b>5,748,375</b>	<b>100.0%</b>

Note: Numbers may not add to total due to unclassified records and/or codes.

Figure 3 represents the classification of the two categories of “CPT Evaluation and Management Codes” as follows:

**Low-Acuity Group:**

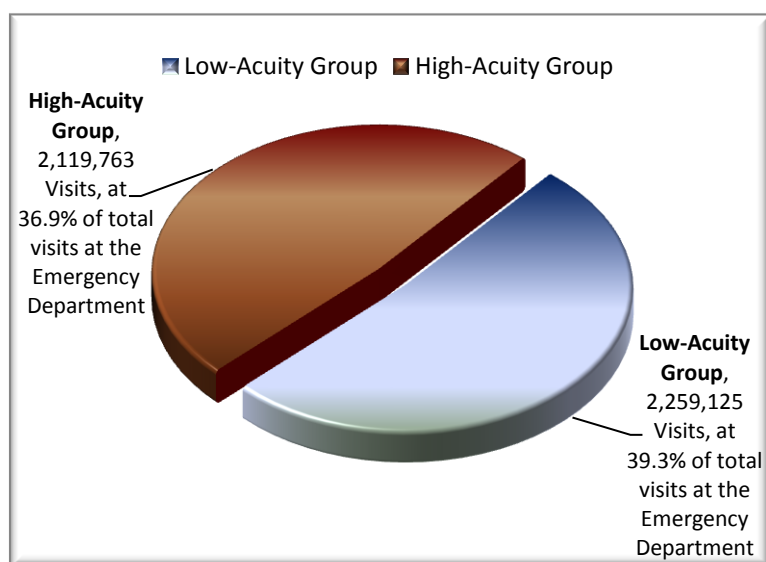
99281	Self limited or minor severity
99282	Low to moderate severity

**High-Acuity Group:**

99283	Moderate severity
99284	High severity, but do not pose an immediate significant threat to life
99285	High severity and pose an immediate threat to life



**Figure 5**  
**CPT Evaluation and Management Codes by Group**



Note: Percent may not add to 100% due to unclassified records and/or acuity levels.

Table 8 and Table 8.1 display the ten top diagnoses (Information related to services performed during the patient's visit) for those visits without hospitalization and for those with hospitalization, respectively.

For visits without hospitalization, the top diagnosis was "*Acute upper respiratory infection of unspecified site*" with 129,542 total visits. However, "*Chest pain, unspecified*" was the highest of charges in the Emergency Department (\$302,189,715.00). "*Inflammation of the ear*" had the second highest number of visits (118,755); conversely, the second highest charge was for "*Abdominal pain, unspecified site*" (\$296,455,999.00).

**Table 8**  
**The Top 10 Diagnosis (Principal Diagnosis Related to Services Performed During the Patient's Visit), 2005**

No	Diagnosis	Visits	Percentage of Total Visits	Average Charges	Total Charges
1	Acute upper respiratory infection of unspecified site	129,542	2.3%	\$625.26	\$80,997,333.00
2	Unspecified otitis media (Inflammation of the middle ear)	118,755	2.1%	\$501.03	\$59,499,406.00
3	Headache	99,408	1.7%	\$2,283.68	\$227,016,375.00
4	Urinary tract infection, site not specified	98,853	1.7%	\$2,041.96	\$201,853,656.00
5	Abdominal pain, unspecified site	91,026	1.6%	\$3,256.83	\$296,455,999.00
6	Sprain of neck	90,786	1.6%	\$1,906.56	\$173,089,147.00
7	Fever	87,450	1.5%	\$1,223.92	\$107,031,609.00
8	Acute Pharyngitis	86,326	1.5%	\$633.14	\$54,656,051.00
9	Attention to surgical dressings and sutures	84,733	1.5%	\$270.77	\$22,943,476.00
10	Chest pain, unspecified	82,123	1.4%	\$3,679.72	\$302,189,715.00

The highest charges and number of visits that occurred among patients admitted in 2005 was for "*Congestive Heart Failure, unspecified*" with 59,956 total visits and with a charge of more than \$72

Data extracted on: April 27, 2009

million. The second highest number of visits and charges was for “Pneumonia, organism unspecified” with 54,031 visits and a total cost of more than 61 million.

**Table 8.1**  
**The Top 10 Diagnosis (Principal Diagnosis Related to Services Performed During the Patient’s Visit)**  
**for Those Visits that Incurred in an Inpatient Admission, 2005**

<i>No</i>	<i>Diagnosis</i>	<i>Visits</i>	<i>Percentage of Total Visits</i>	<i>Average Charges</i>	<i>Emergency Room Charges</i>
1	Congestive Heart Failure, unspecified	59,956	4.4%	\$1,211.74	\$72,650,793.00
2	Pneumonia, organism unspecified	54,031	4.0%	\$1,146.17	\$61,928,954.00
3	Chest pain, other	47,411	3.5%	1,117.19	52,966,881.00
4	Coronary atherosclerosis of native coronary artery	27,676	2.0%	1,109.06	30,694,247.00
5	Obstructive chronic bronchitis with (acute) exacerbation	26,171	1.9%	1,087.08	28,450,052.00
6	Subendocardial infarction, initial episode of care	23,782	1.8%	1,322.12	31,442,772.00
7	Urinary tract infection, site not specified	22,152	1.6%	1,104.83	24,474,245.00
8	Cerebral artery occlusion, unspecified with cerebral infarction	21,251	1.6%	1,114.35	23,680,956.00
9	Syncope and collapse	21,221	1.6%	1,056.62	22,422,580.00
10	Atrial fibrillation	19,997	1.5%	1,235.32	24,702,749.00